Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/10/2020 10:30 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123895	-1	2.15	124010	2.17
Blue	F	SSC	125000	124550	-1	1.52	125325	1.56
Blue	E	FITC	15892	15391	-4	2.74	335	20.72
Blue	D	PE	29999	29343	-3	1.94	637	15.00
Blue	B	PerCP-Cy5-5	43732	43094	-2	3.68	1157	20.29
Blue	A	PE-Cy7	30845	30612	-1	6.06	586	41.14
Red	C	APC	46112	45346	-2	2.47	1601	11.92
Red	A	APC-Cy7	30458	29868	-2	2.33	793	12.26
Violet	B	V450	7918	7549	-5	4.48	428	13.54
Violet	A	V500	32171	30853	-5	4.32	720	10.68

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17343	11.30	622	1	N/A	N/A	Pass
Blue	F	SSC	57208	1.15	565	6	N/A	N/A	Pass
Blue	E	FITC	61	63.54	543	0	0.0180	77	Pass
Blue	D	PE	134	48.35	549	1	0.1451	211	Pass
Blue	B	PerCP-Cy5-5	214	49.76	656	0	0.0091	62	Pass
Blue	A	PE-Cy7	109	100.82	699	1	0.0106	14	Pass
Red	C	APC	382	24.94	587	3	0.0256	168	Pass
Red	A	APC-Cy7	174	29.45	558	2	0.0052	925	Pass
Violet	B	V450	65	59.75	462	4	0.0441	1743	Pass
Violet	A	V500	107	33.70	478	4	0.0222	689	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.72	-31.85	0.98
Blue	20.34	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.47
Red	15.77	13.60 - 20.40	N/A	N/A	29.07	29.90	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9870

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments